ILC TRAVEL OUTFITTERS
ILC Travel Outfitters.com

OR MissionaryStores.com

Water Protection in 3rd World Countries 8.17

7 areas of concern

1- Showers- Gum Lines
2- Brushing teeth- Gum Lines
3- Washing Hands- Use YOUR Squeezable water bottle when away from home
4- Ice- Tainted water supplies
5- Fruits and Vegetables- Peel or cook, that's all!
6- Utensils, Cups, Plates- Understand Boiling for protection of cleaning (See back page)
7- Bottled water- Use YOUR Squeezable water bottle to filter (DON'T trust "Bottled Water)

3 steps to safety:

1- Pre Filter- Remove any floating debris before using Filter OR boiling

Either use our Pre-filter system, or use cloth the can strain out debris.

2- Water bottles- Filter with .2 micron system Level 2 Minimum protection-

MUST have a squeezable Water Bottle… PERIOD!!! DO NOT get fooled with a suckable system!

Our technology we've chosen combines a water filtration technology originally designed for NASA and used in the ISS (International Space Station) to recycle bodily fluids during long stays. With an elegant bottle design made of 100% FDA compliant materials. This combination yields a unique filtration bottle which is lightweight, versatile, and can deliver highest quality water from innumerable water sources in over 140 countries.

With a capacity of 100's gallons, (depending on the pre-filter procedure used, this International level-II filter protection (included with every bottle), has been lab tested to remove 99.9999% of giardia lamblia & cryptosporidium, two of the most common protozoa found in open water sources worldwide.

3- Steripen- UV (Ultraviolet) Purifying with sterilization against Virus'

Wear contacts? Worried about clean face and hands for safety, use this added step!

UV WATER PURIFICATION TECHNOLOGY

Cities around the world have used ultraviolet light to make water safe to drink for over 100 years. In 2001, SteriPEN first put the power of UV light into a handheld device.

SUSTAINABLE AND ECONOMICAL

Most models are reusable for up to 8,000 liters — that's over 7 years of safe drinking water! SteriPEN avoids plastic pollution by keeping thousands of plastic water bottles out of the waste cycle.

EFFECTIVE AND CERTIFIED

UV light destroys over 99.9% of bacteria, viruses, and protozoa like Giardia and Cryptosporidium. SteriPEN is certified effective by the **Water Quality Association** and has won multiple **industry awards**.

Added Safety- How Long to Boil Water for Purification?

Boiling water is the safest method of purification. Whether you're out camping, in a country with under or un-sanitized drinking water, or you fear your local water supply has become contaminated, boiling water kills germs and parasites. If you're travelling, boiling water for drinking can be a cheaper alternative to buying bottled water. However, it's important to know how long you need to boil it to make it safe.

Reasons to Purify Water- Untreated water describes water that might come from streams, rivers and lakes, but also water that might be contaminated by pollutants such as chemicals, oils or sewage. Naturally occurring water can contain bacteria, such as Giardia, that can cause digestive issues and, in some developing countries, potentially fatal diseases, such as cholera. Water that looks clean can still contain harmful bacteria, which are invisible to the naked eye. Therefore, it's important to purify your water if you suspect it has not been treated even if it looks safe to drink.

Method- Boiling water is the most effective method of purifying it. To do so, you will need a heat source, such as a cooker or camping stove, and a vessel to hold the water. According to the Washington State Department of Health and the United States Environmental Protection Agency, you should bring the water to boil and keep it rolling for three minutes rolling boil to purify it. At altitudes above one mile, 2,000 meters, you should increase the rolling time to five minutes. Tainted looking water increase up to 10 minutes.

How To: Separate boiled water into 3 containers. 1- (Let cool) Then use for drinking water through your filtered bottle 2- Use this cooled container for pouring water to wash face and hands. 3- place into 2 containers, (BEST if done while water is still hot) A- washing of utensils and plates and water bottle. (Can place items in soapy water) B- NEVER place items in water, pour on ALL items to rinse.

Considerations- When purifying your water, you will need to check whether it is cloudy first. Cloudy water needs to be filtered before boiling so you do not ingest the debris. To filter the water, you can use household items like coffee filters, cloths, paper towels or by placing cotton at the bottom of a funnel and pouring the water through. You should filter the water as many times as necessary until it becomes clear. However, remember that you will still need to boil it before it is safe to drink as filtering does not remove or kill microscopic pathogens the water might contain.

Alternatives- Although boiling water is the most effective method of purification, fuel shortages or lack of a heat source might mean that this isn't always possible. In these instances, you can kill most of the pathogens using plain household bleach that doesn't contain added perfumes or dyes. You need to use a clean container and add five drops of bleach for every two liters of water. The solution needs to stand for thirty minutes before it is safe to drink. This method does not kill all pathogens in water and, while it is useful in an emergency, you should try and boil drinking water where possible.

Germicidal Tablets- Emergency Drinking Water Germicidal Tablets are intended for emergency disinfection of drinking water. When used as directed, they make most water bacteriologically suitable for drinking. Not to be used on a continuous basis. For short term or limited emergency use only.
Treats up to 25 quarts.
• Easy to use. No unpleasant taste • Iodine-based compound (no chlorine)
DIRECTIONS: Add 2 tablets to 1 quart or liter of water and cap loosely to allow a small amount of leakage. Wait 5 minutes. Shake container to allow screw threads on the closure to be moistened, then tighten cap. Wait 30 minutes before drinking.**RECAP BOTTLE TIGHTLY. KEEP TABLETS DRY.**
Shelf life: Unopened - 4 years from manufacture date. Opened - 1 year from date of opening, or if they start to discolor.

Question: How Do I Separate Salt from Water in Saltwater?

Have you ever wondered how you could purify seawater to drink it or how you could separate salt from water in saltwater? It's really very simple.
Answer: You can boil or evaporate the water and the salt will be left behind as a solid. If you want to collect the water, you can use distillation. One way to do this at home would be to boil the saltwater in a pot with a lid. Offset the lid slightly so that the water that condenses on the inside of the lid will run down the side to be collected in a separate container. Congratulations! You've just made distilled water. When all of the water has boiled off, the salt will remain in the pot. Evaporation works the same way, just at a slower rate.